

CLAIMS

~~2 AT~~

5 an interface object to present an interface into the parcel manager from one
6 or more external applications;

10 a notification object created via a second function presented by the interface
11 object in response to a request from an external application, the notification object
12 providing functionality to track a status of the parcel object as the parcel
13 components are transferred to the remote computer.

18 3. A parcel manager as recited in claim 1, further comprising a monitor
19 object created by the notification object to check for presence of the parcel
20 components.

22 4. A parcel manager as recited in claim 1, further comprising a parcel
23 database object to add and retrieve information regarding the parcel object in a
24 database.

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1 8. A biller integration system as recited in claim 6, further comprising a
2 management console that supports a user interface (UI), the management console
3 interfacing with the gateway to present the status of the parcel as it is transferred.

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5 9. A biller integration system as recited in claim 6, further comprising a
6 parcel database to store information on the parcel.

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8 10. A biller integration system as recited in claim 6, wherein the
9 translator, the statement designer, the gateway, and the parcel manager are
10 embodied as software modules stored on a computer-readable medium.

11 11. In an electronic system for transferring data from a local computer
12 to a remote computer, a software program embodied on a computer readable
13 medium for execution on the local computer, the software program presenting an
14 application program interface to handle requests for services from an external
15 application, the application program interface being responsive to separate
16 commands to perform the following services:
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18 creating a new parcel to carry the data from the local computer to the
19 remote computer;

20 searching a group of parcels according to a date;

21 searching the group of parcels according to a state;

22 searching the group of parcels according to parameters supplied by the
23 external application;

24 locating a particular parcel from the group; and

25 initiating a notification service that supports a monitoring function to track
the parcel as it is transferred from the local computer to the remote computer.

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2 ~~12.~~ In an electronic system for transferring data from a local computer to
3 a remote computer, a software program embodied on a computer readable medium
4 for execution on the local computer, the software program having a parcel object
5 that is responsive to separate commands to perform the following services:

6 creating a parcel component to hold at least part of the data to be transferred
7 from the local computer to the remote computer;

8 *AB* sending one or more of the parcel components to the remote computer;

9 creating a bulletin to hold status information regarding transfer of the parcel
10 components;

11 searching a group of bulletins according to a date;

12 searching the group of bulletins according to a state;

13 locating a particular bulleting from the group; and

14 receiving a parcel component from the remote computer.

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16 ~~13.~~ In an electronic system for transferring data from a local computer to
17 a remote computer, a software program embodied on a computer readable medium
18 for execution on the local computer, the software program having a bulletin object
19 that is responsive to separate commands to perform the following services:

20 specifying a type of a bulletin, the bulletin being used to hold status
21 information regarding transfer of the parcel components;

22 designating a pointer to detail information for the bulletin;

23 sending the bulletin to the remote computer; and


24 receiving the bulletin from the remote computer.
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1 **14.** In an electronic system for transferring data from a local computer to
2 a remote computer, a software program embodied on a computer readable medium
3 for execution on the local computer, the software program having a notification
4 object that is responsive to separate commands to perform the following services:

5 awaiting information concerning creation or arrival of a parcel used to carry
6 the data between the local and remote computers;

7 designating parcel events of which the status is requested; and

8 updating a status on the parcel.

9  **15.** A method for managing transfer of data from a local computer to a
10 remote computer, comprising the following steps:

11 receiving a request to transfer data at a parcel manager application program
12 interface;

13 creating a parcel object to hold the data via a function of the parcel manager
14 application program interface;

15 creating a notification object via a second function of the parcel manager
16 application program interface; and

17 tracking, via the notification object, a status of the parcel as the parcel
18 components are transferred to the remote computer.

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21 **16.** A method as recited in claim 15, further comprising the step of
22 creating one or more parcel component objects to hold the data via a function of
23 the parcel object.
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1 17. A method as recited in claim 15, further comprising the step of
2 updating the status of the parcel.

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4 18. A method as recited in claim 15, wherein the request is received
5 from an external application, and further comprising the step of sending the status
6 of the parcel to the external application.

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8 19. A computer program embodied on a computer-readable medium to
9 perform the steps in the method as recited in claim 15.

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